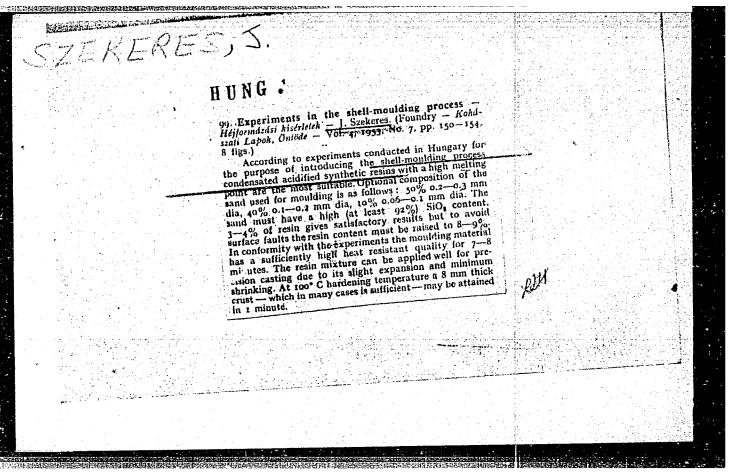
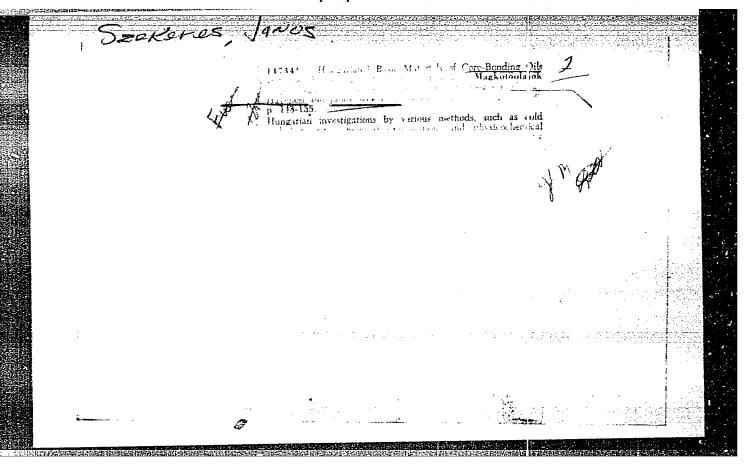
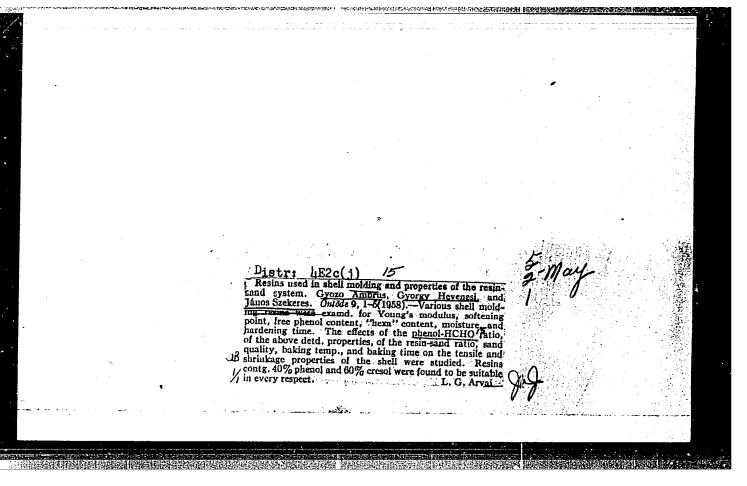


SZEKERES, J. 621.743.422 : 661.683 70. The technology of core binding with waterglass - 1 visqueges maghoids technologidia - 1. Szekerez. (Poundry - Kohdssali Lapoh, Intode - Vol. 4, 1953, No. 3, pp. 49-56, 21 figs.) The drying of cores and moulds entails considerable time and coal consumption. The process is therefore uneconomical. Moreover the cores are often destroyed in Hungarian Technical Abst. the process resulting in casting scrap. In order to eliminate the process of core drying a binding agent, e. g. water-Vol. 6 No. 1 glass, is required, the binding effect of which is not developed through heat. The Petraella waterglass-carbonic acid process and its further development by the Hungarian 1954 Iron Research Institute is described. Data on the sand and waterglass used in the process, the effect of waterglass concentration on binding are furnished. Technological experiments on the perfodical vacuum and carbonic acid pressure method of treatment is given together with quality prescriptions for the materials to be used. I. D.







8/081/62/000/022/073/088 B166/B144

AUTHORS:

Hevenesi, György, Szekeres, Janos

TITLE:

A method of producing strengthened articles from synthetic

resin and a granular material

PERIODICAL: Referativnyy zhurnal. Khimiya, no.22, 1962, 539, abstract

22P388 (Hungarian patent 148405, Sept. 30, 1961)

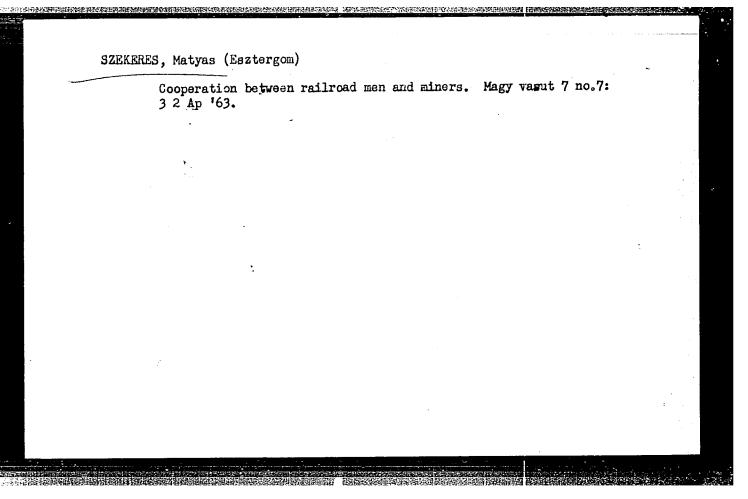
TEXT: In order to strengthen systems consisting of a synthetic resin and a granular material (GM) the surface of the grains is coated with an intermediate layer. This layer adheres more strongly both to the synthetic resin and to the GM than they adhere together directly. intermediate layer (epoxy resin, organometallic compounds of resins produced from them such as metal alcoholates, intracomplex compound of Al and acetoacetic ester, metal phenolates, phenol-formaldehyde resins) is applied directly to the hot GM (MgO, Al203, SiO2, ZrSiO4) whilst being agitated in a solvent, which is afterwards removed. Example. Sand heated $to \sim 220^{\circ} C$ is mixed with a quantity of epoxy resin emulsion such that after Card 1/2

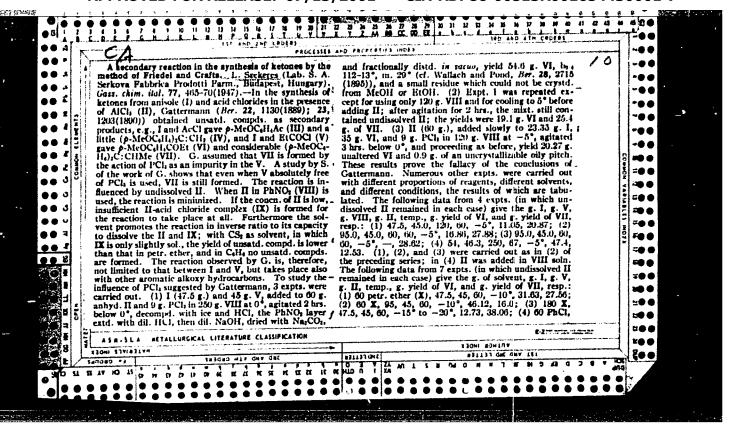
S/081/62/000/022/073/088 B166/B144

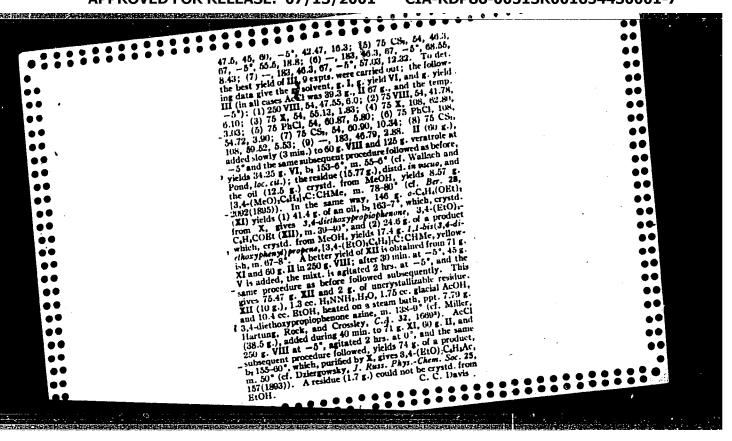
A method of producing strengthened ...

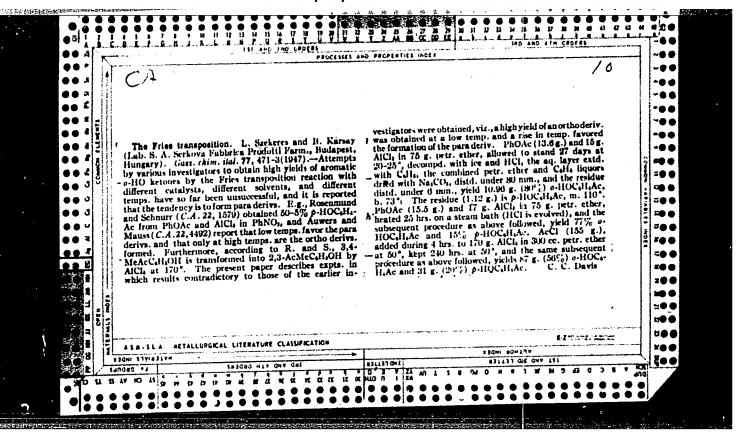
removal of the water the layer, of epoxy resin coating the grains weighs ~0.1 % as much as the sand. After the resin has become uniformly distributed, novolac phenol resin amounting to 2.5 - 3 % of the weight of sand is added and is stirred for 2 - 3 min; then hexamethylenamine amounting to 10 % by weight of the phenolic resin is added whilst cooling and stirring vigorously; stirring is continued for a further 5 min. Abstracter's note: Complete translation.

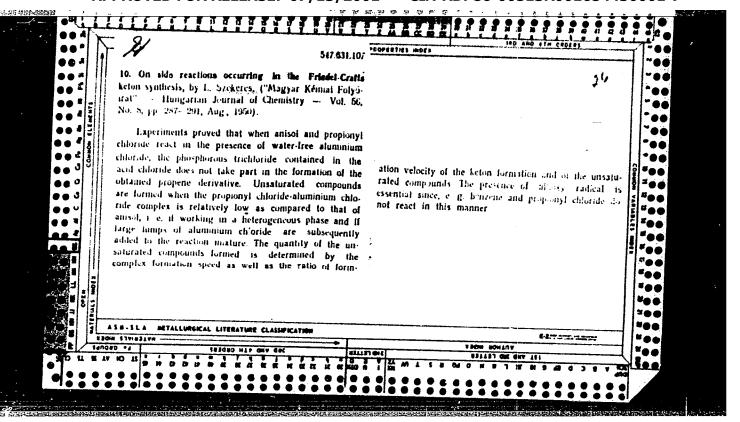
Card 2/2

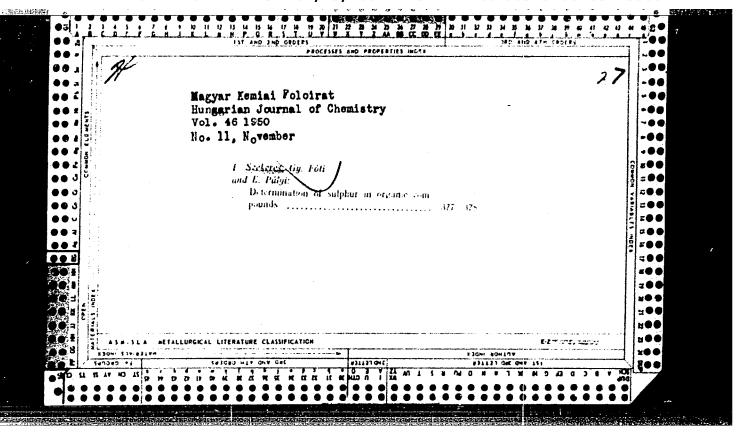












3.4-Bis(p-hydrexyphenyi)hexane derivatives containing airrages. 1/szló Szekeres (Univ. Szeged, Hung.). Megair Rém. R. 1950il 50, 714-21(1050).—Nitration of meso-year Rém. R. 1950il 50, 714-21(1050). —Nitration of meso-year deviation of the animos was a method for producing inactive and di-3,4-bis(p-methexy-m-scetamisd-phenyi)hexane (I). The selective reduction of mesa-4-Oph-hamiltonia and hydrogenated. The resulting Noll feet, was easily exidized in the area compet. While deriv. was easily exidized in the area converted to the hetazine and hydrogenated. The resulting Noll feet, was easily exidized in the area confirms the mese- and di-lorms of I. This synthesis also confirms the mese- and di-lorms of I. This synthesis also confirms the mese- and di-lorms of I. This synthesis also confirms the mese- and di-lorms of I. This synthesis also confirms the mese- and di-lorms of I. This synthesis also confirms the mese- phenyihexane (II), was obtained in 3.6-g, yield by dissolving line (II), was obtained in 18-10 in 190 nl. warm of the lift of the lorms of the lift of the lorms of the lift of the lorest the colls with Nasion, resulting the Calls by distra, treating the residue with 25 ml. BioH. allowing to stand 24 hrs. fittering by suction, washing 3 times with 5-ml. portions of EiOH, and drying at 80° was obtained. Further crysts. Id-3,4-Bis(4-mothexy-3-misro-phenyi)hexane in the nitroit acid ester form (III), m. 113-15°, was obtained. Further crysts. Id-3,4-Bis(4-mothexy-3-misro-phenyihexane in the nitroit acid ester form (III), m. 114-1960il mother liquots with 50-ml. portions of U.55 N KOH. McOH fraction, crystg. the residue from 25 ml. McOH, child, shaking twice with 50-ml. portions of U.55 N KOH. Calls, shaking twice with 50-ml. portions of U.55 N KOH. Calls, shaking twice with 50-ml. portions of U.55 N KOH.

form (IV), m. 107-9°, was obtained in 87% yield by dissolving 10 g. df-[Et(p-McOCM-)CH]₂ in 15 ml. warm glacial AcOH, cooling to 20°, shaking several min. with 10 ml. HNO₃ (sp. gr. 1.4), adding ice water, knesding the mass 6 times with 150 ml. water then with 25 ml. C.H., filtering by suction, washing with C.H., and crystg. 6 times from abs. It(OH. dl.-), delic(4-mchoxy-3-aminopheny) herans (V), m. It(OH. dl.-), was obtained in 3.1-g. yield by hydrogenating a suppression of 5.8 g. IV in 280 ml. ROH with COH with 0.5 g. Pil-on-active C. dl-J, 4-Hu(4-methaxy-3-accional-).

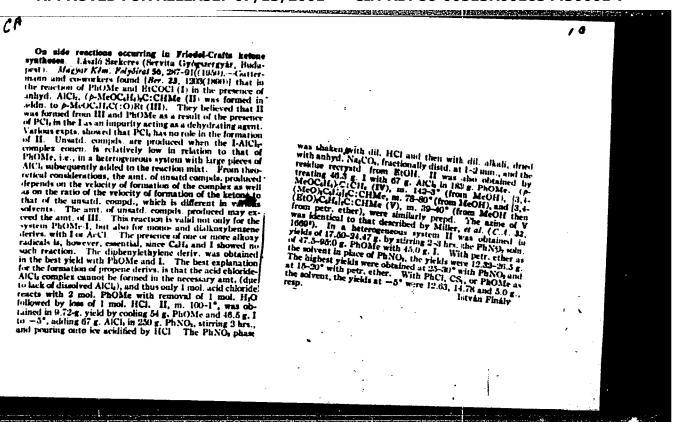
ohenyi)hexane (VI), m. 152-3°, was obtained in 04.7% yield by dissolving 5 g. V in 30 ml. hot Calla, crolling to 20°, carefully adding 3.6 ml. AccO in 10 ml. Calla, boiling 1 hr., refully adding 3.6 ml. AccO in 10 ml. Calla, boiling 1 hr., refully adding 3.8 ml. AccO in 10 ml. Calla, boiling 1 hr., refully adding 3.8 ml. AccO in 10 ml. Calla, boiling 1 hr., refully adding 3.8 ml. AccO in 10 ml. Calla, boiling 1 hr., refully adding 3.8 ml. AccO in 10 ml. Calla, boiling 1 hr., refully accelerated by the chief. A Mchay 3-accelerated by soic acid (VII), m. 204-6°, was obtained in 0.15-g. yield by boiling 3 g. VI. 8.7 g. K MnO., and 7 g. MigsOo. 7 HeO in 200 ml. water until the violet color disappeared, adding 4.8 g. ml. water until the violet color disappeared, adding 4.8 g. ml. water in the countisated filtration at plt 9.0 to 25 ml., adding 4.5 ml., filtering, boiling the residue in NaHCOs, boiling 4-5 min., filtering, boiling the residue in 3-mirophemylhexane (VIII), m. 226-8°, was obtained in 3-mirophemylhexane (VIII), m. 226-8°, was obtained in 3-mirophemylhexane (VIII), m. 226-8°, suspended in 3-mirophemylhexane (VIII), m. 115°, adding 100 ml. water, filtering, washing with water, sitering, washing with water, and crystg, from ml. 60°, B10H in the presence of hydrarbid Pri catalyst and in 1.60°, B10H in the presence of hydrarbid Pri catalyst and in 1.60°, B10H in the presence of hydrarbid Pri catalyst and in 1.60°, B10H in the presence of hydrarbid Pri catalyst and in 1.60° N lCC in abs. BtOH, ditering, renoving the solvent by distin., dissolving the residue in water, and drying in 1.60° N lCC in abs. BtOH, ditering, encoving the solvent by distin., dissolving the residue in water, and drying in 1.60° N lCC in abs. BtOH, ditering, over, and drying in 1.60° N lCC in abs. BtOH, ditering, and drying in 1.60° N lCC in abs. BtOH, ditering, over, and drying in 1.60° N lCC in abs. BtOH, ditering, over, and drying in 1.60° N lCC in abs. BtOH in the presented in 3.60° N lCOMH.

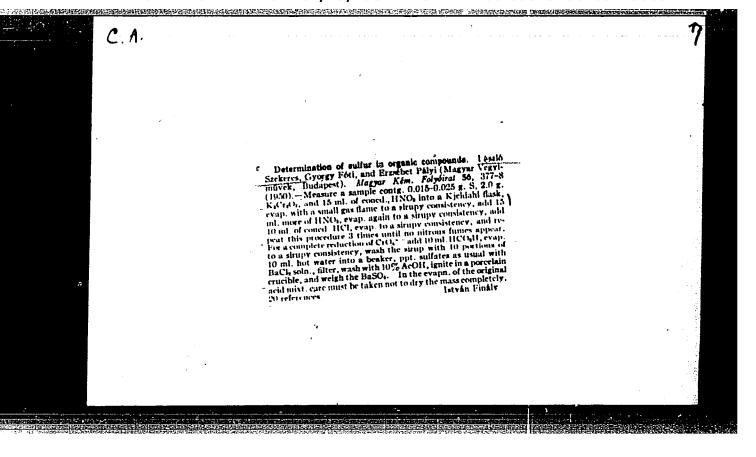
which with AcOII-II-SO, gave 100% 3.3-di-p-tolyt-methyl-aeriadole, m. 201° (from BtOH). a.a-Di-p-tolytglycolaniliste brominated in AcOH gave p-brosso-a.a-di-p-tolytglycolaniliste brominated in AcOH gave p-brosso-a.a-di-p-tolytglycolaniliste, m. 151° (from EtOH), which with AcOH-II-SO, gave 100% 3.3-di-p-tolytg-bromoariadole, m. 235° (from BtOH). Similar treatment of a.a-di-p-tolytglycolaniliste gave 100% 3.3-di-p-tolytglycolanide with AcOH-II-SO, gave 100% 3.3-di-p-tolytglycolanide, not-cning at 161°, m. 246.5° (from CaII-), which contains some CaII-, removed at 170-90°. The condensation proceeds rapidly even at 10-20°, requiring about 1 min. at 50°. Generally introduction of alkyl groups into the aryl group radical lowers the optimum ant. of H-SO, for the condensation. Substituents ortho or pars to the NHAcyl group do not affect the rate of condensation; a m-MeO group accelerates the reaction. Replacement of the Phradicals on the carbinol C by tolyl groups slows the reaction by a factor of 16-20. N-Arylamides of hydrozy carboxylic acids and their transformation into heterocyclic compounds. VIII. Intransolecular condensation of aryl amides of m, m-di-tolylyycolic acid. P. A. Petyunin and I. S. Berdinskii. Ibid. 2016-18.—Et oranilate (3.86g.) and RMgBir from 17g. m-lir-C-II₂Me and 2.4 g. Mg gave 60% a.m-di-m-lolylylycolanilide. m. 128.5-9.5° (from dil. BtOH). This (1.5 g.) in lomi. AcOII treated with concil. H-SO, until brown color ceased forming gave 100% J. Jaim-lolylostriadole (m-tolulsatin), m. 188.5° (from dil. AcOII). Et p-ethoxyozznilate (4 g.) with m-bI-C-II₂MgBr (from 13 g. RBr) gave 80.6% a.a-di-m-tolyl-p-

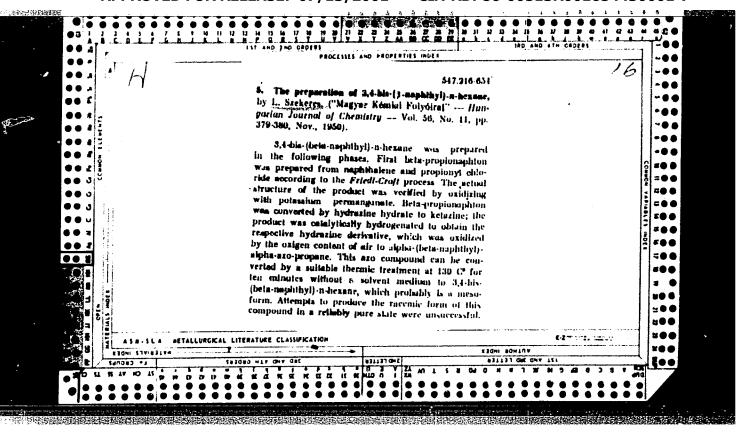
elycolophemetidide, m. 142°, which with AcOH-H₈SO, gave 90% J.3-di-m-tolyt-5-thoryoxindole, m. 220° (from EtOH). Similarly Bt o-methoxyoxindole, m. 165°, which gave 90.4% J.3-di-m-tolyt-5-glycolonisidole, m. 165°, which gave 90.4% J.3-di-m-tolyt-7-methoxyoxindole, m. 213° (from AcOH), while Et N-2-naphthyloxindole, m. 213° (from AcOH), which gave 94.7% J.3-di-m-tolyt-4-5-bensexindole, m. 179° (from BtOH). IX. Intramolecular condomation of aryl amidot of o.o-ditolylglycolic acidi. 1bid. 2019-22.—PhNICOCO, Bt and o-McC.IIAMJ give 73.3% a.a-di-tolylglycolonilide (I), m. 133° (from BtOH). Similarly o-McC.IIAMHCOCO, Et gave 93.6% a.a-di-tolyl-p-glycolonilide (II), m. 138.5° (from BtOH), while p-BtOC.II.AMCCOC, Et gave 76.3% a.a-di-tolyl-p-glycolophentidide (III), m. 151.5° (from EtOH), and 2-CuditaMtCOCO, Et gave 80.5% N-2-naphthyl-a-a-di-tolylglycolomide (IV), m. 137-5° (from AcOH). I with AcOH-HisSO, gave 93.7% J.3-di-tolylaxindole (o-tolulatin), m. 106° (from AcOH). while II gave 90.8% 5-Me homolog, m. 256° (from AcOH), and IV gave 92.6% 1,3-di-tolyl-5-bensexindole, m. 300° (from AcOH). 1-CuditaMtCOCo, Et (1.8 g.) treated with RMgX from 24.5 g. o-McC.II.I gave a product which treated with 35 ml. AcOH, followed by concel. H.SO, gave 7.5 g. (73.5%) J.3-di-tolyl-6,7-bensexindole, m. 254° (from AcOH).

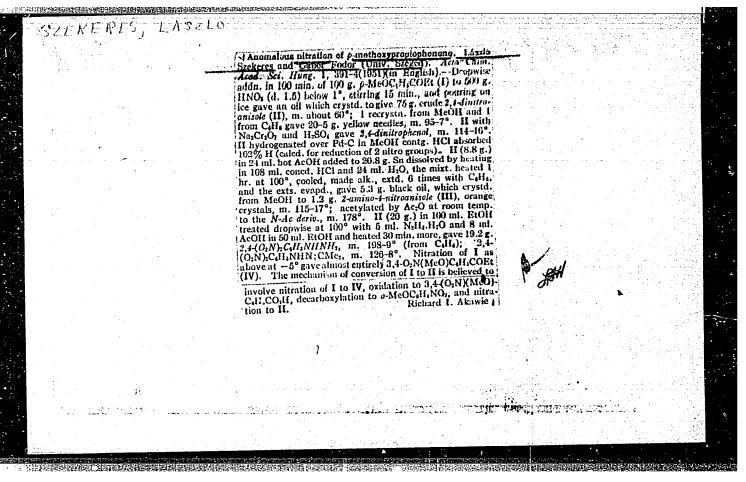
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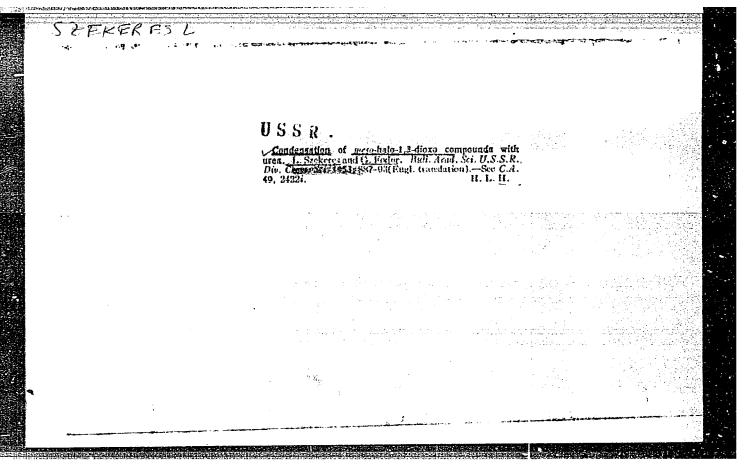


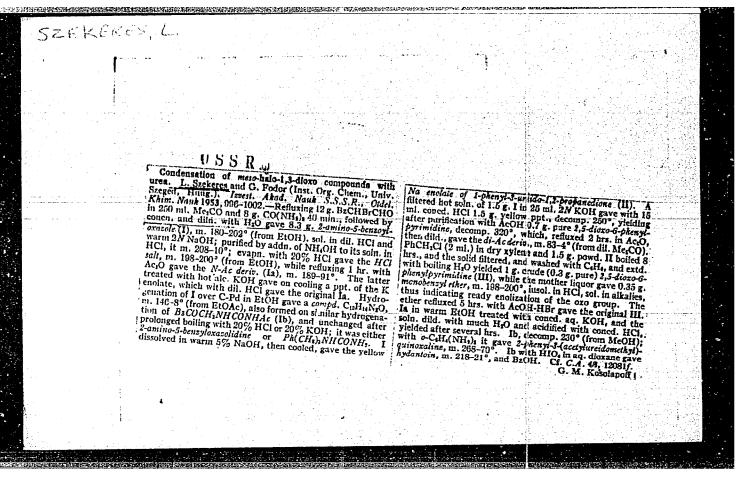




SZEKURES, L., JONETOVITS, A.,
"Simple equipment for dilution" p. 300
(KISERLETES OR/OSTUDOMANY, Vol. 4, No. 4. Aug 1952, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 7, July 1953, Uncl.



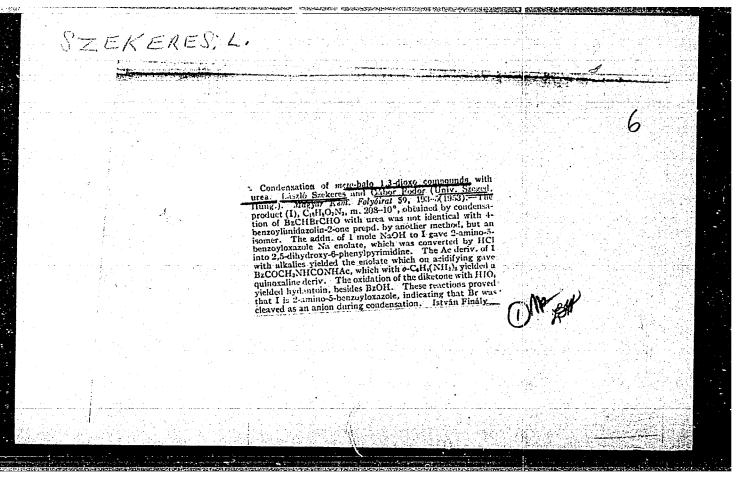


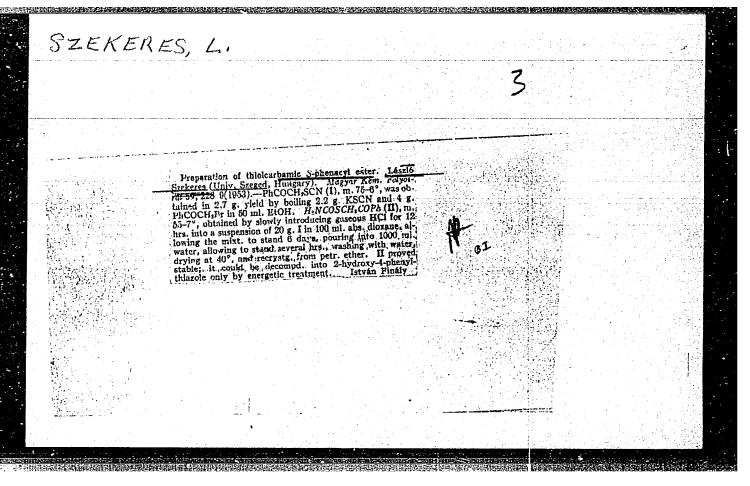
SZEKERES, L.

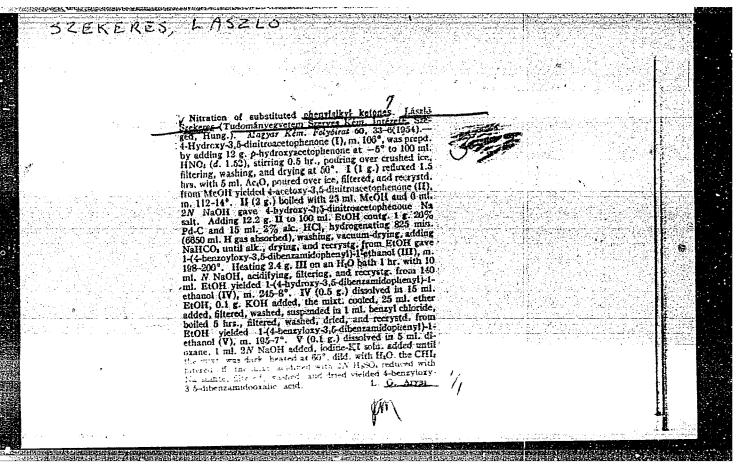
Hungarian Technical Abst. Vol. 6 No. 1 1954 12. The chemistry of benzene sulfinic acids — Adatok a henvolstulfinsan kemidjihoz : Szekeres and F. Dutka. (Journal of the Hungarian Chemical Society — Magyar Kémikusok Lapja — Vol. 8, 1953, No. 3, pp. 92-93. 4 tabs.)

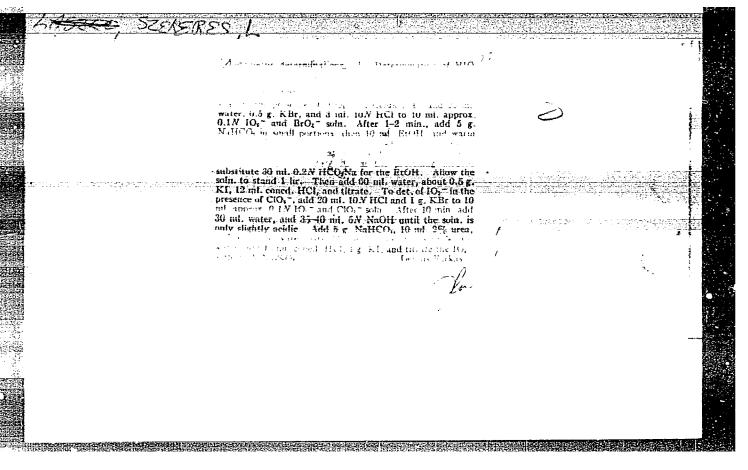
The authors established that the redox potential values of the benzene sulfonic-benzene sulfinic ion system and of the iodine-iodide lon system are very close to each other. Statements in literature also verify that benzene sulfinic acid can be unificized with iodine at 05°C. Bromine oxidizes benzene sulfinic acid quantitatively into benzene sulfonic acid and this reaction was found suitable at the same time for the determination of benzene sulfinic acid. It was established, moreover,

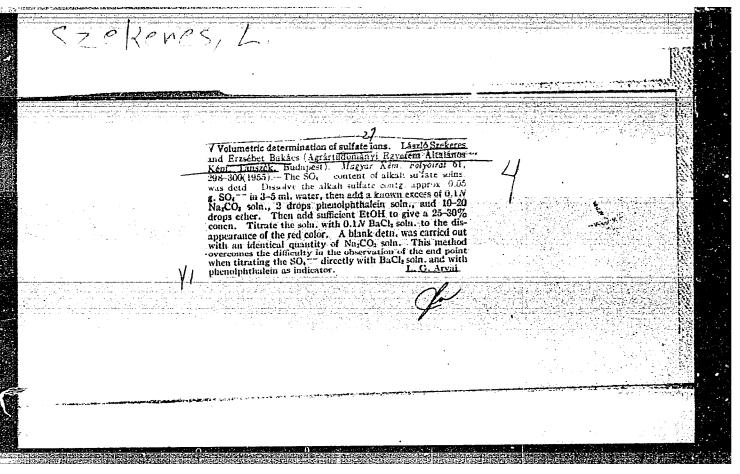
that the sodium salt of benzene sulfinic acid is stable on air, however, exidation and disproportionation occur in an acid solution. It was proven that not only bromine solutions but bromic acid, potassium permanganate and potassium carbonate solutions can also be measured volumetrically directly with a solution of the sodium salt of benzene sulfinic acid in acid media.

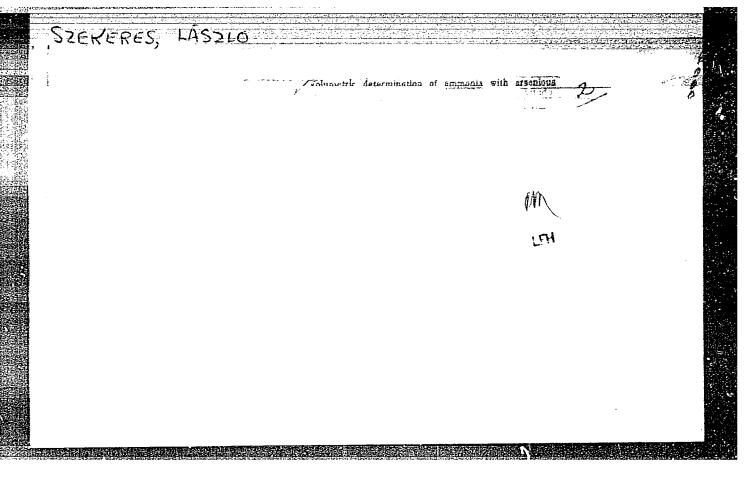


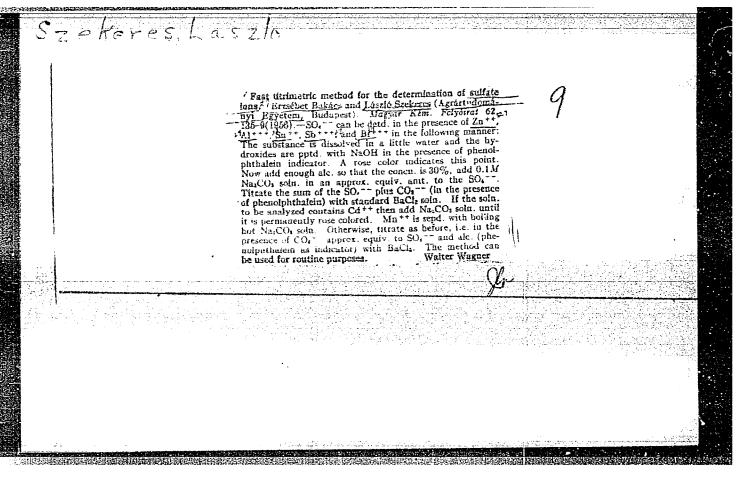


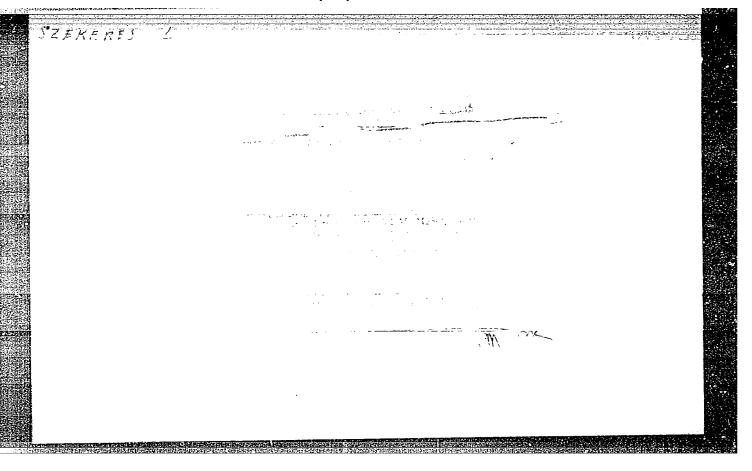


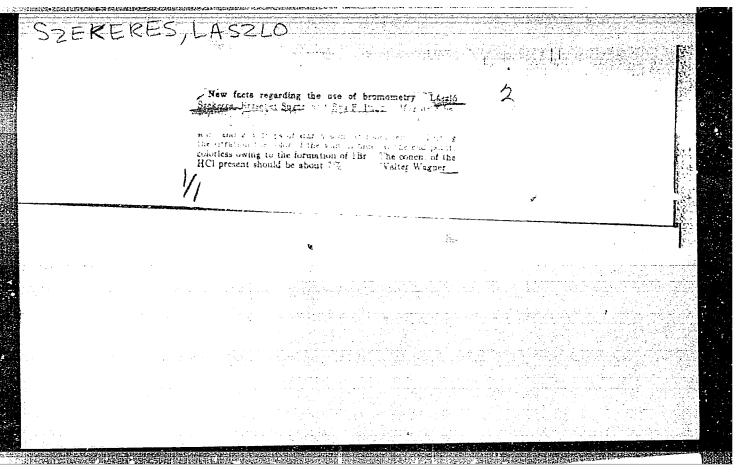












SZEKERES LASZLO

E-2

HUNGARY/Analytical Chemistry - Analysis of Inorg nic Substances.

Abs Jour

: Ref Zhur - Khimiya, No 8, 1958, 24 53

: Szekeres Laszlo

Author

Inst Title Iodometry. III. Determination of Iod te and Periodate

in Presence of Each Other.

: Magyar kem. folyoirat, 1957, 63, No 10, 273-275

Orig Pub

Abstract

Description of a method of determination of 172 and in presence of each other, which is based 1 selective reduction of OI with hydrogen peroxide in the presence of IO . An aliquot portion of the solu 'n being analyzed (about 10 ml) is made alkaline by a ... 'tion of 1-2 g NaHCO . 15 ml of 3% H O are added, the mixture is heated for 10-15 minutes on a water bath, cooled, diluted with water to a definite volume and the total amount

of IO, is determined iodometrically

Card 1/2

00513R001654430001-7

SEKERESH

HUNGARY/Analytical Chemistry. Ceneral Problems.

E

Abs Jour: Ref. Zhur.-Khimiya, No 12, 1958, 39293.

Author : Sekeresh, Molnar, Nad,

Instq : Not given.

: A Hydrazinometric Titration. Preliminary Communication. Title

Orig Pub: Magyar Kem. folyoirat, 1957, 63, No 10, 294-295.

Abstract: In the determination of oxidizing agents by the titration of the solution of NoHL. HoSOL, the end point can be established (in addition to the potentiometric method) more easily by the aid of the Iodine-Starch indicator (one drop of the alk. iodine soln. plus one ml of the starch solution). An example is the determination of bromate in the presence of Br ions. During the titration, the solution is colorless because IBr does not react with starch.

: 1/1 Card

STRERESH

HUNGARY / Analytical Chemistry. Analysis of Inorganic Compounds.

Abs Jour: Ref Zhur-Khimiya, No 16, 1958, 53407.

Author : Bakach-Polgar, Sekeresh.

: The Determination of Hydroxides of Basic Metals Inst

in the Presence of Carbonates. Title

Orig Pub: Magyar kem. foly oerat, 1957, 63, No 11, 325-326.

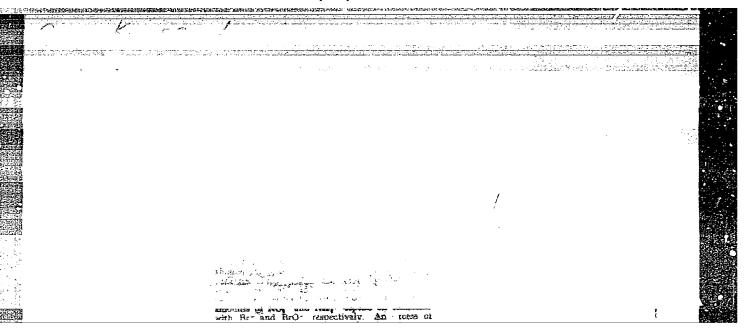
Abstract: The effect of foreign ions was studied in regard to the accuracy in determining hydroxides of basic metals (HBM) in the presence of carbonates. The latter were precipitated with BaCl, and the HBM titrated with a ZnCl2 solution to the

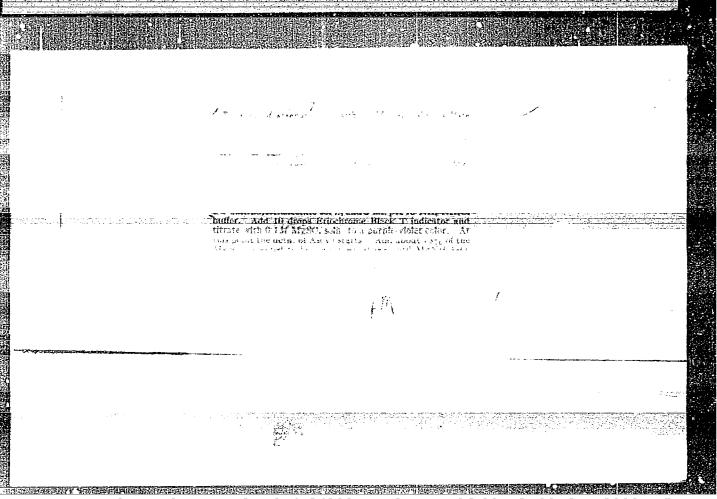
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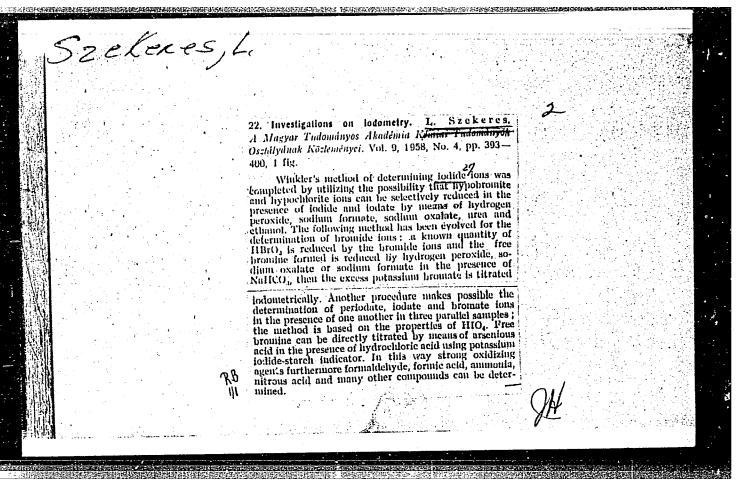
HUNGARY / Analytical Chemistry. Analysis of Inorganic APPROVED FOR RELEASE: 07/13/2001 Compounds.

Abs Jour: Ref Zhur-Khimiya, No 16, 1958, 53407.

Abstract: phenolphtalein end point. (RZhKhim., 1957, 69125)
It was established that a determination of HBM is not feasible in the presence of F, B, 07 and not feasible in the presence of F, B₁O₇ and PO₁3. The ions Cl., Br., I, ClO₃, BrO₃, IO₃, SO₁2., CrO₁2., S₂O₃2., SO₃2., NO₂, NO₃. and CH₃COO do not interfere. It was pointed out that the ZnCl2 solution should be added dropwise and near the titration end slowly due to the gradual desorption of the OH ions from the precipitate.







COUNTRY : Hungary E-2

CATEGORY

ABS. JOUR.: AZKhim., No. 1959, No. 86213

AUTHOR : Szekeres, L.; Kardos, E.

INST.

: Syrkeres, L.; Raidos, L.

TITLE : Icdometry. VI. Determination of Icdide in

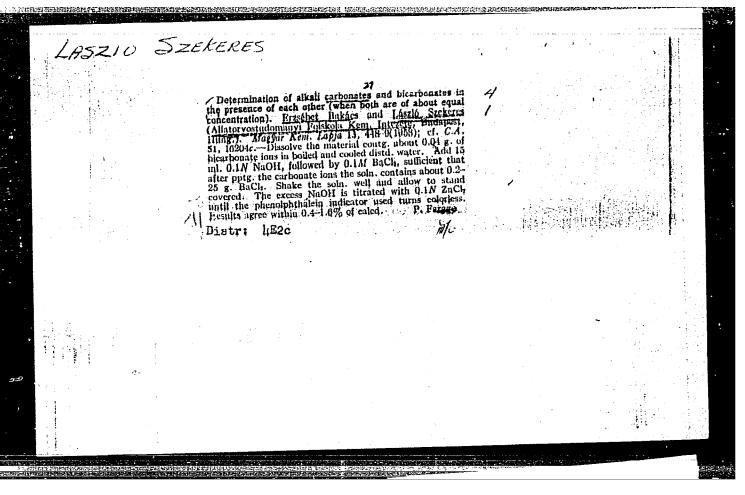
the Presence of Bromide and Chloride.

ORIG. PUB.: Magyar kem. lapja, 1958, 13, No 10-12, 447

ABSTRACT: A method has been worked out, according to which I- is oxidized to IO₃- with hypobromite (obtained by adding a solution of Br₂ in O.1 N KBr containing 3-5 g NaHCO₃), excess hypobromite is reduced with ethanol (5-15 ml) at water-bath temperature; after cooling acidified with HC1-solution, added KI, and liberated I₂ titrated with O.02 or O.1 N solution of Na₂S₂O₃. Communication V see RZhKhim, 1959, No 19, 67702. -- I. Krishtofori.

CARD:

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001654430001-7"



HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances.

E-2

Abs Jour

: Ref Zhur - Khimiya, No 2, 1959, 4342

Author

Szekeres, L.

Inst

Title

: The Volumetric Determination of Bromide Ions.

Orgi Pub

: Magyar Kem Folyoirat, 64, No 5, 163-165 (1958) (in

Hungarian with a French surmary)

Abstract

: A new method has been developed for the determination of Br-, based on the oxidation of Br- by excess Br07 followed by the iodometric determination of the excess Brog. A 0.02-0.1 N solution of Br is treated with 25 ml of 2 N H₂SO₄ and 15 ml O.1 N KBrO₃, the solution is allowed to stand for 15 min, 10 ml of 5 N NaOH and 10 ml of 0.2 N HCOONa are added, the solution is heated over a water bath for 15 min (during which time the OBr which is formed initially is reduced to Br-), cooled, 20 ml of 2% KI are added together with 15 ml conc H2SO4, and the solution

Card 1/2

PROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001654430001-7" HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khimiya, No 2, 1959, 4342

> is titrated with 0.05-0.1 N Na₂S₂O₃. The method described can be used in the presence of a large excess of Cl; the presence of I interferes with the determination. -- I. Krishtofori

SZEKERES, L.

SCIENCE

PERIODICALS: ACTA ZOOLCOTSA. VOL. 64, No. 7/8 July/Aug. 1958

MAGYAR KEMIAI FOLYOIRAT, Vol. 64, no. 7/8, July/Aug. 1958

Szekeres, L. Review of newer titrometric methods by precipatation. p. 232

Monthly list of East European Accessions (EEAI) IC Vol. 8, No. 2 February 1959, Unclass.

HUNGARY / Analytical Chemistry -- Analysis of inorganic substances. Szchercit

: Ref Zhur - Khimiya, No 14, 1959, No. 49261 Abs Jour

: Szekeres, L.

: The Determination of Some Sulfur Compounds in Author Inst

Titlo Mixtures

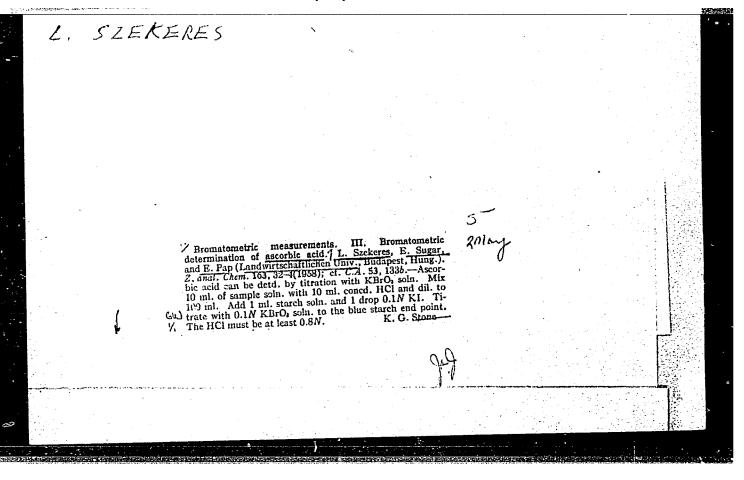
: Magyar Kem Folyoirat, 64, No 9, 357 (1958) Orig Pub

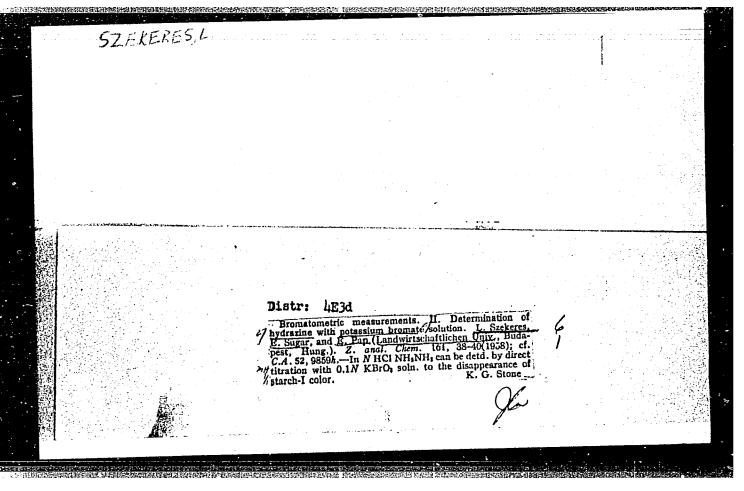
: The author reports on the possibility of determining S2-, Sx2-, S2032-, and S032- in mixtures by using 4 portions of unknown solution. The analysis is based Abstract on the fact that the first three of the above ions

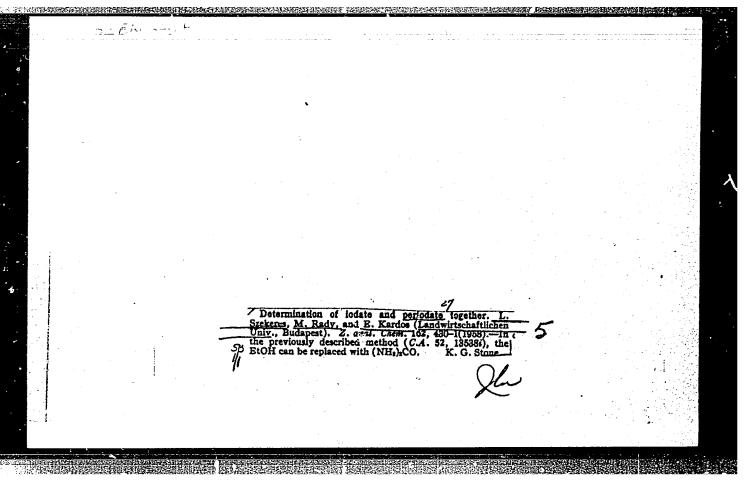
react with unequal amounts of I2 and Br2 and are oxidized to products of different composition. When an unknown solution containing the above ions is boiled, S from H₂S and H₂SO₃ is removed as SO₂; S from H₂S_x and H₂S₂O₃ can be determined in the solution obtained by exidation

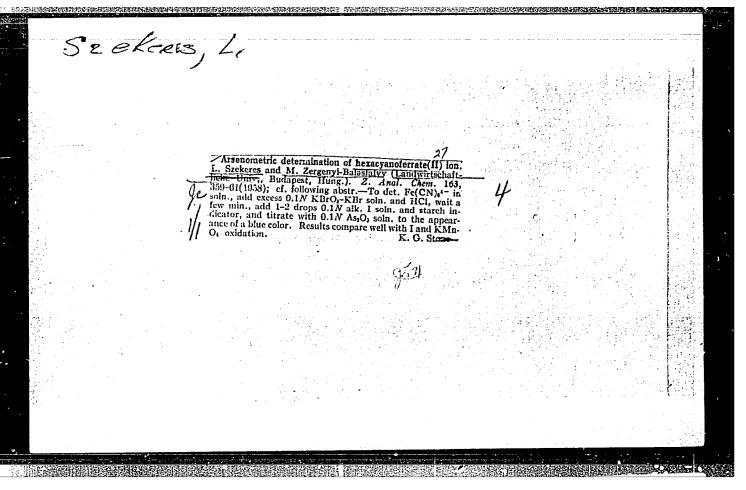
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E-27









E-2 s Hungary COUNTRY CATEGORY 17535 : RZKhim., No. 5 1960, No. ars. Jar. : Szekeres, L. and Rady, M. AUTHOR 1 Indometry. VII. The Determination of Indide in INST. mme the Presence of Arsenate. CRIG. PUB. : Magyar Kem Lapja, 14, No 6, 249-250 (1959) * The authors have established that in 0.5-0.8 N H₂ SO₄ I reacts only with IO, and the AsO₄? remains unchanged. A method for the determination of I in the presence of AsO₄? has been developed ABSTRACT on the basis of this observation. The I is subjected to an initial oxidation with hypobromite (a solution of Br, containing KBr and NaHCO,), the excess oxidizer is reduced with ethanol or with $H_2 O_2$ (urea, sodium formate, or sodium oxalate are also suitable as reducing agents), the solution 100 OARD: 1/2

SZEKERES, L.

HUNGARY/Analytical Chemistry - Inorganic Analysis.

Abs Jour

: Ref Zhur Khimiya, No 20, 1959, 71222

Author

: Bakacs - Polgar, E., Szekeres, L.

Inst Title : The Determination of Alkali Metals' Bicarbonates and

Carbonates in Mixtures

Orig Pub

: Pharmaz. Zentralhalle, 1959, 98, No 1, 3-5; Maguar

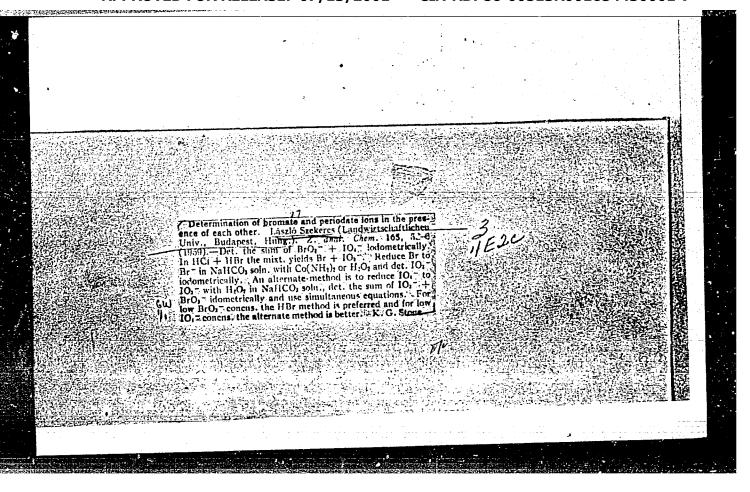
ken, lapja, 1958, 13, No 10-12, 448-449

Abstract

: To determine bicarbonates and carbonates of alkali metals the analyzed mixture, containing ~ 0.04 g HCO3, is dissolved in 3-5 ml of freshly boiled and cooled water, 15 ml 0.1 N NaOH (to convert HCO3 to co3) and an excess of 0.1 M Bacl solution (consisting of 0.25 g Bacl2) are added, the mixture is agitated and allowed to stand for 3-5 minutes, a few drops of alcoholic phenothalein solution are added and the excess NaOH is titrated with 0.1 N ZnCl2

Card 1/2

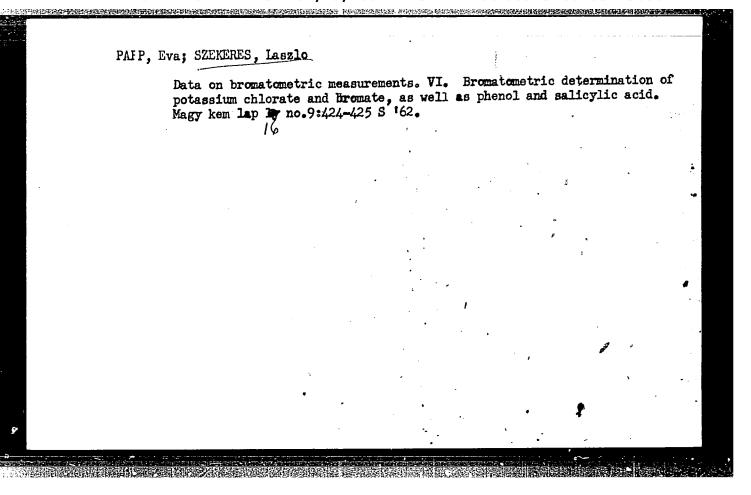
- 2 -



BAKACSNE POLGAR, Erzsebet; SZEKERES, Laszlo

Determination of phosphate and sulfate ions in the presence of metal impurities with special regard to fertilizers. Magy kem lap 15 no.10:460-462 '60.

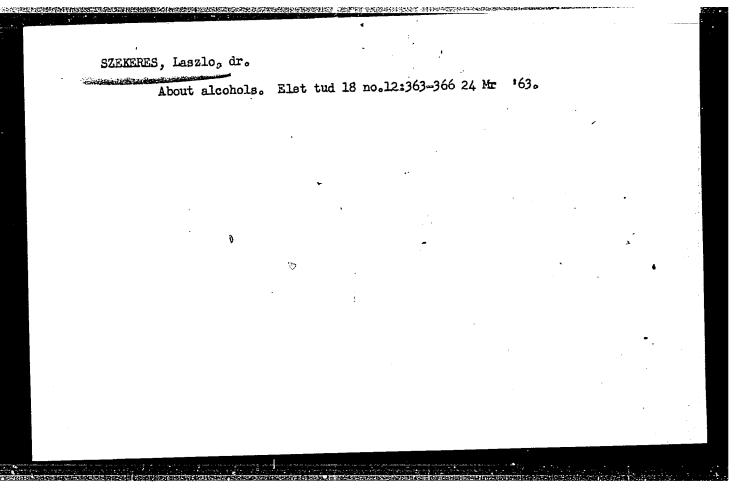
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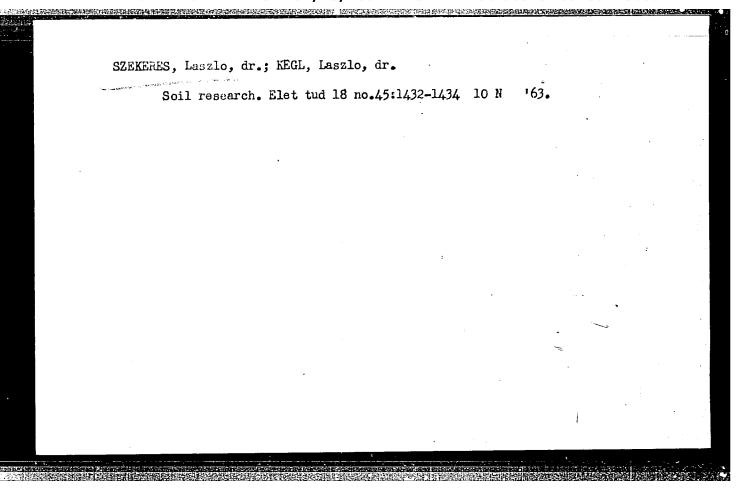


SZEKERES, Laszlo; SUGAR, Erzsebet

Data on the determination of hydrogen sulfide (pyrosulfide)-, thiosulfate and tetrathionate-ions in presence of each other. Magy kem lap 16 no.9:434-435 S 161.

1. Agrartudomanyi Egyetem Kemiai Intezet.

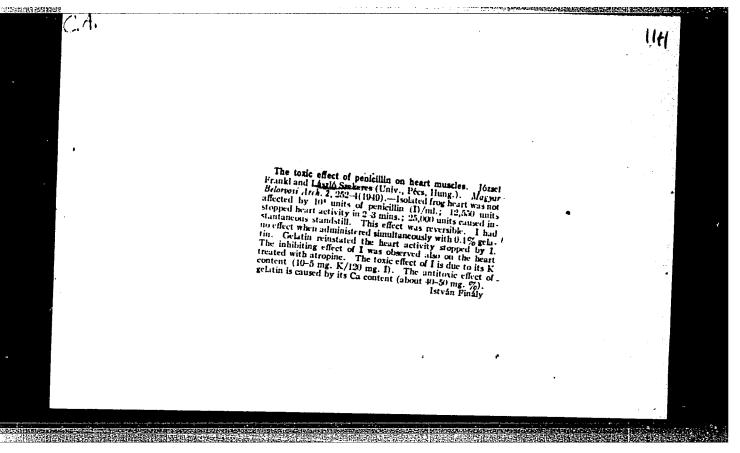


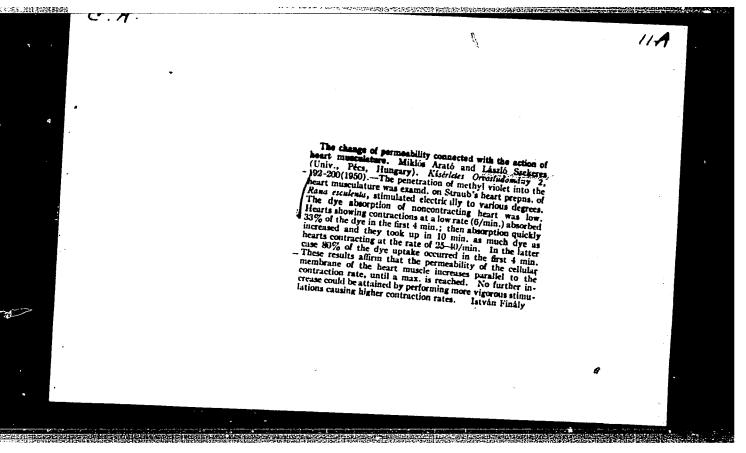


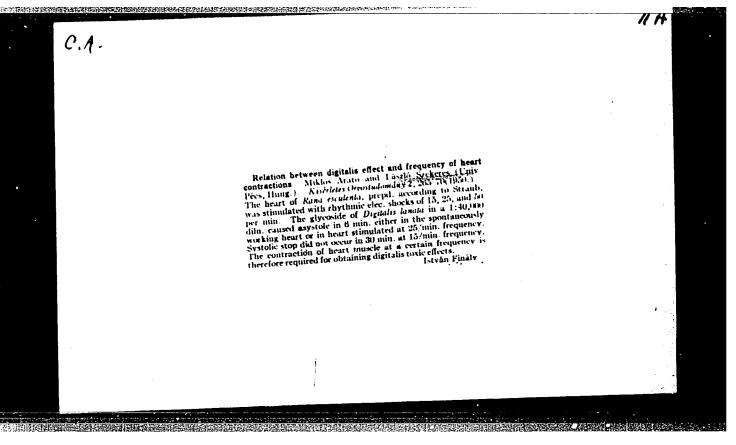
SZEKERES, Laszlo; KARDOS, Etelka

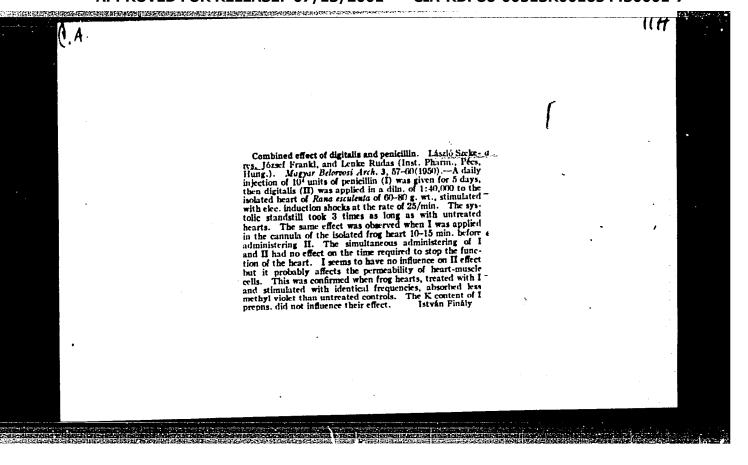
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1. Doctors. 2. Institute of Pharmaceutics, Pecs Medical University.

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"Cardiac Disturbances Caused by Caffeine." p. 58 (Acta Physiologica. Supplement to v. 4, 1953, Budapest)

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Pharm. Inst., Med. Univ., Pecs. *Wirkung von O2 -Mangel und CO2 auf die Kontraktilität und Reizbildung einzelner Herzteile. Effects of oxygen lack andcarbon dioxide on the contractility and impulse formation in individual regions of the heart ACTA. PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (60-61)

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SZEKERES, L.; FALLER, J.; TOROK, T.

Energy-rich phosphorus compounds of the heart muscle during hypothermia. Acta physiol. hung. Suppl. no.6:99-100 1954.

可以此种国际企业企业的联系的建筑和企业的经济的证券的经济的证券的证券的证券的证券的。但是这种企业的证券的工作,这个生产的企业的工作的证券的工作的证券的工作的工作的企业的企业的工作。

1. Pharmakologisches Institut der Medizinischen Universitat, Pecs.
(ADENYLPYROPHOSPHATE, metab.
myocardium, eff. of hypothermia in rats)
(BODY TEMPERATURE

hypothermia, exper., eff. on ATP & phosphocreatine metab. in rat myocardium)

(COENZYMES

phosphocratine, metab. in rat myocardium, eff. of
hypothermia)
(MYOCARDIUM, metab.

ATP & phosphocreatine, eff. of hypothermia in rate)

SZEKERES, L.

The effect of hypozia on vagus and acetylcholine sensitivity of mammalian heart. Acta physiol. hung. 6 no.1:109-112 1954.

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(ANOXIA, exper.

eff. on vagus & acetylcholine sensitivity of isolated cat heart)

(HEART, physiol.

acetylcholine & vagus sensitivity, eff. of hypoxia in dogs & cats)

(ACETYLCHOLINE, physiol.

heart sensitivity, eff. of exper. hypoxia in dogs & cats)

(NERVES, VAGUS, physiol.

heart sensitivity, eff. of exper. hypoxia in dog & cat)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001654430001-7"

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(HEART, eff. of drugs on
caffeine, eff. of single massive dose & prolonged small
dose in guinea pigs)
(CAFFINS, tox.
heart inj. in guinea pigs, eff. of single massive dose &
prolonged small dose)

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Production of experimental myocarditis with streptococcal toxin or with $\beta$-hemolytic streptococci. Acta med.hung. 7 no.1-2: 115-122 1955.

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(MYOCARDITIS, experimental, prod. with streptoc. toxin & with $\beta$-hemolytic streptoc.)

(STREPTOCOCCUS, toxin, prod. of myocarditis)

(STREPTOCOCCUS, $\beta$-hemolytic, prod. of myocarditis)
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Vagus effect of cardiac glycosides in mammals. Kiserletes orvostud. 7 no.3:305-313 May 55.

1. Pecsi Orvostudomanyi Egyetem Gyogyszertani Intezete. (CARDIAC GLYCOSIDES, effects, in situ & in vitro)

SZEKERES IASZIO; RANHIDI FERENC; LIMARD GERGELY; SOTI JENO

Effect of caffe in on the metabolism of normal and hypoxic heart muscles.

Kiserletes orvostud. 10 no.2-3:128-133 Apr-June 58.

1. Pecsi Orvostudomanyi Egyetem Gyogyszertani Intezete.

(HEART, eff. of drugs on caffein on metab. of normal & anoxic myocardium (Hun))

(CAFFEIN, eff.

on metab. of normal & anoxic myocardium (Hun))

SIMPLE equipment for the artificial respiration of small animals.

Kiserletes orvostud. 10 no.2-3:316-317 Apr-June 58.

1. Pecsi Orvostudomanyi Egyetem Gyogyszertani Intezete.

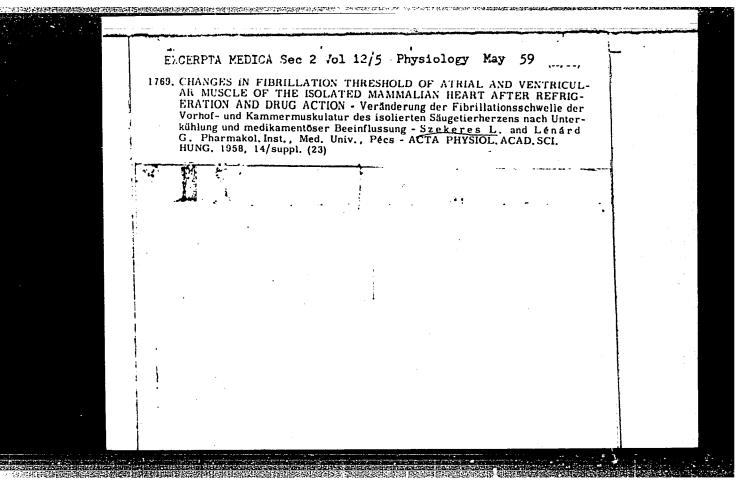
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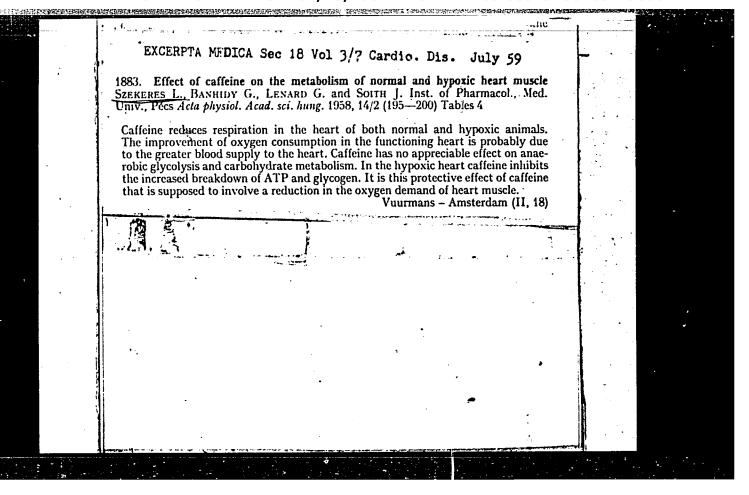
equipment for artif. resp. of small laboratory animals

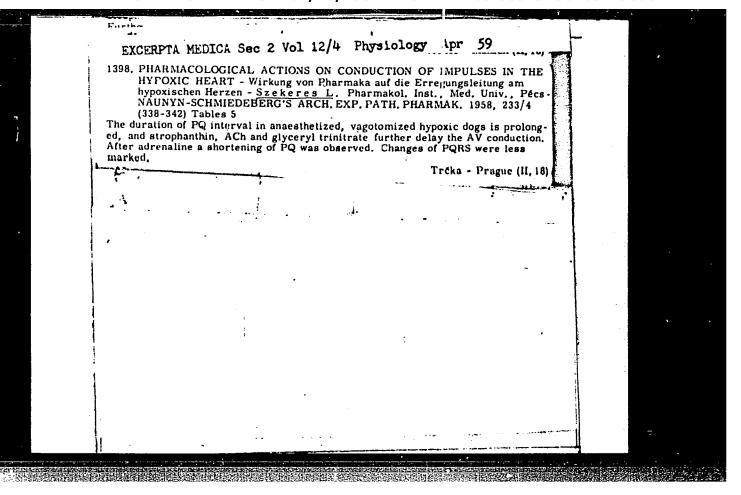
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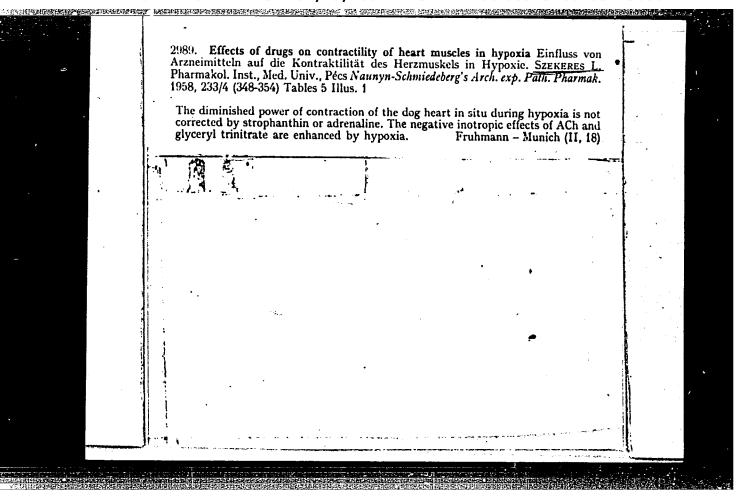
(RESPIRATORS

same)









SZEKERES, L.; LICHNER, G.

Comparative study on the metabolism of the right and left heart ventricles. Acta physiol. acad. sci. hung. 21 no.3:243-247 '62.

1. Institute of Pharmacology, Medical University, Pecs.
(MYOCARDIUM) (CARBOHYDRATE METABOLISM)

HUNGARY

PAPP, J., and SZEKERES, L., of the Institute of Pharmacology, Medical University, Pecs [Original version not given].

"Regulation of the Fibrillatory Tendency of the Heart in Hypoxia"

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Supplement to Vol 22, 1963; p 11.

Abstract [Authors' English summary, modified]: The correlation between arterial hypoxia and the tendency to atrial and ventricular fibrillation has been studied following total or partial elimination of the nervous control of cardiac activity. It was found that a hypoxia of the central nervous system is responsible in the first place for the increase in the tendency to fibrillation in hypoxia, through stimuli reaching the heart by vagal mediation. In chronic hypoxia the tendency to fibrillation is decreased, presumably as a result of an exhaustion of nervous centers.

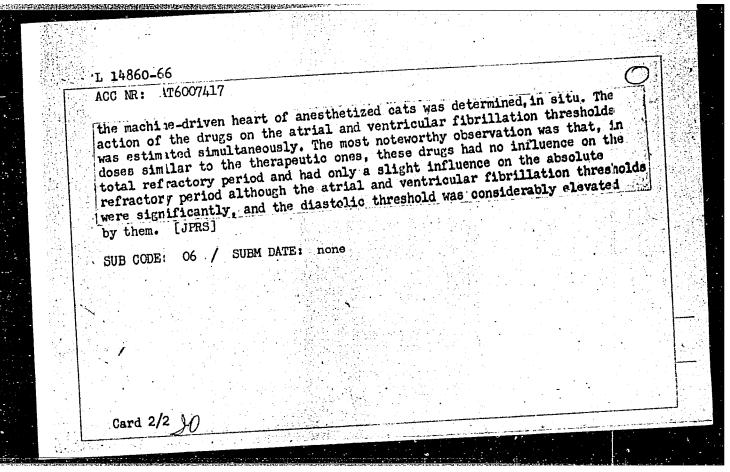
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DD SCTB EWT(1)/FS(v)-3L 14863-66 SOURCE CODE: HU/2505/65/026/00X/0031/0032 ACC NR: AT6007414 Papp, G.; Szekeres, L. AUTHOR: ORG: Institute of Pharmacology, Medical University of Pecs (Pecsi Orvostudomanyi Egyetem, Gyogyszertani Intezet) TITIE: Relief of coronary spasm in unesthetized rabbits [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964] SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, TOPIC TAGS: rabbit, circulatory system, EKG, drug effect, hypoxia, animal physiology ECC changes were induced by i.v. injection of pituitrin in order to test the ability of drugs to relieve coronary spasms so induced, and also to obtain information concerning myocardial blood flow and oxygenation in unesthetized animals. It was found that previous or simultaneous treatment with nearly toxic doses of classical coronary dilators had only a moderate influence on the ECG changes. In Card 1/2

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contrast,	in the phase o	of lasting T ele	vation caused by	pituitrin, even lo	
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L 14860-66 EWT(m) ACC NR: AT6007417 SOURCE CODE: HU/2505/65/026/00X/0033/0033 AUTHOR: Szekeres, L.; Papp, G. ORG: Institute of Pharmacology, Medical University of Pecs (Pecsi Orvostudomanyi Egyetem, Gyogyszertani Intezet) TITIE: Mode of action of antiarrhythmic drugs [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, TOPIC TAGS: drug effect, pharmacology, rabbit, circulatory system, cat, animal physiology ABSTRACT: In the course of earlier st the effect of 5 arrhythmic drugs of different chemical structures was In the course of earlier studies studied on the isolated heart of rabbits. In the present experiments, the action of these drugs (quinidine, ?procaine, papaverine, dibenamine and procaine amide) on the refractory period, excitability and conduction on . Card 1/2



L 43021-66 ACC NR: AT6031831 HU/2505/65/026/003/0277/0286 SCURCE CODE: 16 AUTHOR: Szekeres, Laszlo-Sekeresh, L.; Papp, Cyula-Papp, D. 3+1 ORG: Institute of Pharmacology, Medical University of Pacs, Pecs (Pecsi Orvostudomany) Egyetem, Gyogyszertani Intezet) TITLE: Effect of vagal stimulation and acetylcholine on the susceptibility to fibrillation of the mammalian heart at different body temperatures SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, no. 3, 1965, 277-286 TOPIC TAGS: cardiovascular system, hypothermia, cat, pharmacology ABSTRACT: The effect of stimulation of the right peripheral vagal stump as well as that of acetylcholine injection or infusion on the fibrillation threshold of the auricles and ventricles has been studied in anesthetized cats as well as in the isolated Langendorff heart of cats, at different body and perfusion fluid temperatures. The lowering of fibrillation thresholds by vagal stimulation or acetylcholine was more pronounced at lower body temperatures. i.e. hypothermia increased the sensitivity of the myocardium to vagal influence. In addition, arrhythmia and ventricular fibrillation upon vagal stimulation, acethylcholine infusion or injection appeared more frequently at lower than at normal body temperatures. These are only valid for the arrhythmogenic and fibriliatory vagal effects since the intensity of the negative chronotropic action of vagal stimulation and of acetylcholine injections is definitely diminished by hypothermia. The possible interpretations of this discrepancy and the mechanism of the enhanced fibrillatory effect of acetylcholine and vagal stimulation in hypothermia are discussed. Orig. art. has: 2 figures and 5 tables. SUB CODE: 06 / SUBM DATE: 20Dec63 / Orig. art. in Eng.] [JPRS]
ORIG REF: OO1 OTH REF: 0381

L 05720-67 SOURCE CODE: HU/2505/65/026/003/0287/0295 ACC NR: AT6031832 AUTHOR: Szekeres, Laszlo-Sekeresh, L.; Hideg, Kalman-Khideg, K.; Hankovszky, 8 -Olga H.--Khankovski, O. Kh.; Papp, Gyula-Papp, D. ORG: Institute of Pharmacology, Medical University of Pecs, Pecs (Pecsi Orvostudomanyi Egyetem, Gyogyszertani Intezet) TITLE: N-(omega-aminoalkyl)-phthalimide derivatives, a new group of compounds with antifibrillatory action SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, no. 3, 1965, 287-295 TOPIC TAGS: organic imide compound, nonmetallic organic derivative, tertiary amine, alkyl group, pharmacology, toxicology, circulatory drug Using the procaine amide structure as a starting point, a new group of drugs, the ABSTRACT: alkylamine substituted phthalimide derivatives, have been developed which possess antifibrillatory activity. With the phthalimide radical left unchanged, the effect of modifications in the tertiary amine group and in the length of the alkyl chain on the antifibrillatory activity of these derivatives has been studied. A substitution of diethylamine, dimethylamine or a morpholine group in the tertiary amine had no effect, while substitution by a piperidine group resulted in a marked antifibrillatory Card 1/2 0555 0919

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LISSAK, K.; SZEKRIKS, V.

Histamine content in various neural elements. Magy. belorv. arch
3 no.3:197-138 1950. (CIML 25:5)

1. Doctor for Lissak. 2. Institute of Physiology (Director -- Prof.

Dr. Kalman Lissak), Pecs University.

SZEKERKA, P.; KALDOR, N.

SZEKERKA, P.; KALDOR, N. Ultrasonic testing of the quality of glued wood. p. 304

Vol. 5, No. 11, Nov. 1955 Budapest, Hungary FAIPAR

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5 No. 3, March, 1956

SZEKERKE, M.

SARY, D.; SZEKEPKE, K.

Histidine determination in human sorum and urine, with special to essential hypertension. Zschr. inn. 1-ed. 36 no.3:103-7 har. 55.

1. Of the Second Ledical Clinic (Director-Prof.E. Haynal, E.D.) of the Institute of Organic Chemistry (Director-Gyozo Bruckner, E.D.) of Ectvos Lorant University of Budapest.

	V 2728. Synthesis of a, 7-poly-t-glutamic soid. V. Bruckner, M. Szekerka, and J. Kovács Naturwissenschojten, 1955, 42, 179 (Inst. p.) D.
	V 2726. Synthesis of a, y-poly-t-glutamic acid. V. Bruckner, 31. Szekerke, and J. Kovács Naturwissenschajten, 1955, 42, 179 (Inst. 1) Org. Chem., Univ., Budapest)
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SZEKERKE, Maria

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An account of my study trip to England. Kem tud kozl MTA 22 no.2: 287-288 164.

1. Chair of Organic Chemistry, Lorand Ectvos University, Budapest, and Research Group of Polypeptide Chemistry, Hungarian Academy of Sciences, Budapest.

HU/2502/64/041/003/0337/0340 L 01053-56 AT5022335 ACCESSION NR: AUTHOR: Szekerke, Maria (Sekerke, M.) (Budapest) TITLE: Synthesis of Di- and oligopeptides from beta-chloroalanine SOURCE: Academiae scientiarum hungaricae. Acta chimica, v. 41, no. 3, 1964, 337-340 TOPIC TAGS: chlorinated organic compound, organic synthetic process, ester Abstract: [German article; author's English summary, modified] DL-βchloroalanine benzylester hydrochloride was converted with DL-carbobenzoxy-β-chleroalanine by the carbodiimide method into the protected dipeptide derivative of N-carbobenzoxy-DL-β-chloroelanyl-DL-β-chloroalanine benzylester. The hydrogenolysis of the derivative gave $(+)-\beta-\beta$ chloroalanyl-β-chloroalanine. The poly-DL-, D-, and Lβ-chloroalanine derivatives were prepared by the polymerization of Leuchs anhydrides of corresponding configuration initated by ammonia. Orig. art. has 2 formulas. ASSOCIATION: Institut fur Organische Chemie der L. Eotvos Universitat, Budapest (Institute of Organic Chemistry, L. Ectvos University) SUB CODE: OC, GC ENCL: 00 SUBMITTED: 22May64 **JPRS** OTHER: 007 NO REF SOV: ,000 Card 1/1 Mil

FRONER, there, of dr.; Saekessy, Vilma, dr.

Epilepsy foliowing Di-Fer-Te vaccination in monogygotic twins.

Grv. hetil. 165 no.43:2045-2048 0 25 164.

1. Fovarosi Tanade Heim Pal Gyormekkorham, Idegosztaly (veccto:
Fother Tamas dr.)

SZEKESSY, V.

New species of Strepsiptera in Hungary. In German. p. 279. Vol. 6, 1955 MAGYAR NEMZETI MUZEUM TERMESZETTUDOMANYI MUSEUM EVKONYVE. ANNALES HISTORICO-NATURALES MASEI NATIONALIS HUNGARICI. Budapest, Hungary.

Source: East European Accession List. Library of Congress Vol. 5, No. 8, August 1956

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On the hundredth birthday of Lajos Piro, Hungarian explorer of New Guinea.
In German. p.7.
(Magyar Nemzeti Muzeum Termeszettudomanyi Muzeum evkonyve, Vol. 7, 1956,
Eudapest, Hungary)

So: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

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p. 187 (Ma _s yar Kesd <i>k</i> us	ock Lapja. Vel.	12, no. 5/6, May/June 1957, B	udapest, Hungary)	1
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